

Title (en)
DIVERGENT TRAILING-EDGE AIRFOIL.

Title (de)
FLÜGELFLÄCHE MIT EINER DIVERGIERENDEN HINTERKANTE.

Title (fr)
PROFIL D'AILE A BORD DE FUITE DIVERGENT.

Publication
EP 0373160 B1 19940525

Application
EP 88900630 A 19871208

Priority
• US 5625087 A 19870601
• US 8703260 W 19871208

Abstract (en)
[origin: WO8809745A1] A special contour near the trailing edge (24) of an airfoil (20) which improves the airfoil effectiveness. The contour is a combination of a blunt airfoil base (28), a local region of high surface curvature, typically on the airfoil lower surface, and upper surface and lower surface trailing edge slopes that diverge from each other (30).

IPC 1-7
B64C 3/14

IPC 8 full level
B64C 3/14 (2006.01)

CPC (source: EP US)
B64C 3/14 (2013.01 - EP US); **B64C 2003/149** (2013.01 - EP US); **Y02T 50/10** (2013.01 - EP US)

Citation (examination)
JOURNAL OF AIRCRAFT, VOLUME 15, NO. 9, SEPTEMBER 1978, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, (US), R.H. LIEBECK: "DESIGN OF SUBSONIC AIRFOILS FOR HIGH LIFT", PAGES 547-561 SEE PAGE 559, RIGHT-HAND COLUMN, LINE 19 - PAGE 560, LEFT-HAND COLUMN, LINE 39; FIGURES 29-31

Designated contracting state (EPC)
BE DE FR GB IT NL SE

DOCDB simple family (publication)
WO 8809745 A1 19881215; DE 3789902 D1 19940630; DE 3789902 T2 19941201; EP 0373160 A1 19900620; EP 0373160 B1 19940525; JP 2588601 B2 19970305; JP H03502910 A 19910704; US 4858852 A 19890822

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